

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A ~~fixing device comprising:~~ device, comprising:
a heating body that rotates about a longitudinal axis; and
an electromagnetic induction heater including a coil wound ~~like a tube via a gap about a winding axis to form a tubular part,~~ the coil wound along an outer periphery of the heating body containing to surround both ends of the heating body, the ends positioned in an axial direction orthogonal to a rotational direction of the heating body and to surround both sides of the heating body, the sides positioned parallel with the axial direction so as to form a tubular part,
wherein the winding axis is substantially perpendicular to the longitudinal axis of the heating body, and

wherein at least a part of the heating body is positioned inside the tubular part of the coil.

2. (Original) The fixing device as claimed in claim 1, wherein the heating body comprises a heating roller, and the coil is wound so as to contain a center axis of the heating roller inside the tubular part of the coil.

3. (Original) The fixing device as claimed in claim 1, wherein the heating body comprises a film, and the coil is wound so that more than half of a heating area of the film is positioned inside the tubular part of the coil.

4. (Original) The fixing device as claimed in claim 1, wherein the heating body comprises a heating roller, and the tubular part of the coil has side walls opposed to in parallel with each other, the side walls extending along the both sides of the heating roller.

5. (Original) The fixing device as claimed in claim 1, wherein the coil comprises a litz wire formed of a plurality of conductors each covered with an insulating film.

6. (Original) The fixing device as claimed in claim 1, further comprising a support extending like a tube along the outer periphery of the heating body containing both ends in the axial direction orthogonal to the rotational direction and both sides parallel with the axial direction,

wherein at least a part of the heating body is positioned inside the support and the coil is wound around an outer face of the support.

7. (Original) The fixing device as claimed in claim 6, wherein the support has heat insulating properties.

8. (Original) The fixing device as claimed in claim 6, wherein the support has nonmagnetism and nonconductivity.

9. (Original) The fixing device as claimed in claim 6, wherein the support has a bearing for the heating body to rotate.

10. (Original) The fixing device as claimed in claim 1, wherein portions of the coil are wound in curved shape, the portions extending from both ends of the coil in the axial direction orthogonal to the rotational direction to both sides of the coil parallel with the axial direction.

11. (Currently Amended) An image forming ~~apparatus comprising:~~ apparatus,
comprising:
a process unit including a developing section, a photosensitive member, and a charger;
a transfer member for transferring a developer on the photosensitive member to a recording material to form an unfixed image on the recording material; and

a fixing device for heating and fixing the unfixed image onto the recording material,

wherein the fixing device comprises:

a heating roller that rotates ~~around a center~~ about a longitudinal axis;

a support extending ~~like to form~~ a tube along an outer periphery of the heating roller ~~containing to surround~~ both ends of the heating roller, the ends positioned in an axial direction of the heating roller and to surround both sides of the heating roller, the sides positioned parallel with the axial direction; and

a coil wound about a winding axis to form a tubular part, the coil wound around an outer face of the support along the outer periphery of the heating roller containing to surround the both ends of the heating roller positioned in the axial direction of the heating roller and to surround the both sides of the heating roller positioned parallel with the axial direction,

wherein the winding axis is substantially perpendicular to the longitudinal axis of the heating roller.

12. (Currently Amended) A fixing ~~device comprising~~ device, comprising:

a heating body that rotates about a longitudinal axis;

a pressurization roller that rotates in association with the heating body, the pressurization roller and the heating body nipping and transporting a recording material to fix an unfixed developer onto the recording material;

an electromagnetic induction heater including a coil wound ~~like a tube via a gap~~ about a winding axis to form a tubular part, the coil wound along an outer periphery of the heating body containing to surround both ends of the heating body, the ends positioned in an axial direction orthogonal to a rotational direction of the heating body and to surround both sides of the heating body, the sides positioned parallel with the axial direction ~~so as to form a~~

tubular part, wherein the winding axis is substantially perpendicular to the longitudinal axis of the heating body, and wherein at least a part of the heating body being positioned inside the tubular part of the coil; and

a driving device including a drive source having a rotation shaft outside the coil, the driving device transferring a drive force from the drive source via rotation transfer section to the heating body and the pressurization roller.

13. (Original) The fixing device as claimed in claim 12, wherein the rotation transfer section transfers rotation force of the drive source to the pressurization roller via a gear connecting a rotation shaft of the pressurization roller and the rotation shaft of the drive source and further transfers rotation force of the pressurization roller to the heating body.

14. (Original) The fixing device as claimed in claim 12, wherein the heating body comprises a heating roller, and the rotation transfer section transfers rotation force of the drive source to the heating roller via a belt connecting the heating roller and the rotation shaft of the drive source and further transfers rotation force of the heating roller to the pressurization roller.

15. (Original) The fixing device as claimed in claim 14, wherein the belt is made of a heat insulating material.

16. (Original) The fixing device as claimed in claim 12, wherein the pressurization roller and the heating body are pressed against each other to rotate from one to the other in conjunction.

17. (Original) The fixing device as claimed in claim 12, wherein the heating body comprises a heating roller, and the fixing device comprises a gear for connecting the pressurization roller and the heating roller and rotation force is transferred between the pressurization roller and the heating roller via the gear.

18. (Original) The fixing device as claimed in claim 12, wherein each of the pressurization roller and the heating body comprises a non-image formation area portion not nipping the recording material, and the rotation transfer section presses the pressurization roller and the heating body against each other in the non-image formation area portions.

19. (Original) The fixing device as claimed in claim 18, wherein the non-image formation area portion of the pressurization roller has a larger outer diameter than that of an image formation area portion of the pressurization roller.

20. (Original) The fixing device as claimed in claim 18, wherein the heating body comprises a heating roller, and the non-image formation area portion of the heating roller has a larger outer diameter than that of an image formation area portion of the heating roller.

21. (Original) The fixing device as claimed in claim 18, wherein the heating body comprises a film, and the non-image formation area portion of the film has a larger thickness than that of an image formation area of the film.

22. (Original) The fixing device as claimed in claim 18, wherein the non-image formation area portion is formed with a non-slip portion on a surface thereof so as to increase a friction coefficient.

23. (Original) The fixing device as claimed in claim 22, wherein the non-image formation area portion has a surface formed in a large face roughness degree.

24. (Original) The fixing device as claimed in claim 12, further comprising a support for supporting the coil and the heating body.

25. (Currently Amended) An image forming ~~apparatus comprising:~~ apparatus,
comprising:

a process unit including a developing section, a photosensitive member, and a charger;

a transfer member for transferring a developer on the photosensitive member to a recording material to form an unfixed image on the recording material; and

a fixing device for heating and fixing the unfixed image onto the recording material,

wherein the fixing device comprises:

a heating body that rotates about a longitudinal axis;

a pressurization roller that rotates in association with the heating body, the pressurization roller and the heating body nipping and transporting a recording material to fix the unfixed developer onto the recording material;

an electromagnetic induction heater including a coil wound ~~like a tube via a gap~~ about a winding axis to form a tubular part, the coil wound along an outer periphery of the heating body containing to surround both ends of the heating body positioned in an axial direction orthogonal to a rotational direction of the heating body and to surround both sides of the heating body positioned parallel with the axial direction so as to form a tubular part, wherein the winding axis is substantially perpendicular to the longitudinal axis of the heating body, and wherein at least a part of the heating body being positioned inside the tubular part of the coil; and

a driving device including a drive source having a rotation shaft outside the coil, the driving device transferring a drive force from the drive source via rotation transfer section to the heating body and the pressurization roller.

26-36. (Canceled)